

Flaky pigment with high covering power and high gloss - contg. pigment powder embedded in matrix particles coated with metal and/or metal oxide

Patent number: DE4134600
Publication date: 1993-04-22
Inventor: BAUER GERD DR (DE); OSTERRIED KARL DR (DE); SCHMIDT CHRISTOPH DR (DE); VOGT REINER DR (DE); KNISS BETTINA (DE)
Applicant: MERCK PATENT GMBH (DE)
Classification:
- international: C08K9/02; C09C1/00; C09D7/12; C09D11/02; C08K9/00; C09C1/00; C09D7/12; C09D11/02; (IPC1-7): C09C1/00
- european: C09D11/02B4; A61K8/11C; A61Q1/02; C08K9/02; C09C1/00F; C09C1/00G; C09D7/12S
Application number: DE19914134600 19911018
Priority number(s): DE19914134600 19911018

Report a data error here

Abstract of DE4134600

Flaky pigment (I) with high covering power and high gloss consists of a transparent, inorganic flaky matrix (II), which contains small embedded pigment particles (III) and has one or more thin, transparent or semitransparent, reflecting metal or metal oxide coatings (IV) on at least one side to give gloss. The thickness ratio of (II) and (IV) is between 500 and 1. Pref. (III) are white, black, coloured or fluorescent pigments. (II) consists of SiO₂, silicate, B₂O₃, borate, Al₂O₃ or aluminate. (IV) consists of thin metal oxide gloss or interference coat(s) or Al, Cr, Ag, Cu and/or Au gloss coat(s). USE/ADVANTAGE - (I) have high gloss, high covering power and high aesthetic attraction and can be produced in a wide range of colours and with various special effects. They can be used in paints and lacquers and also, with suitable (IV), in enamels, glazes, electroconductive coatings, water-based pai

Data supplied from the **esp@cenet** database - Worldwide